

Hector IAP (ANG) Wastewater Collection System

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J7 HECTOR IAP (ANG) Wastewater Collection System

J7.1 HECTOR IAP (ANG) Overview

The 119th Fighter Wing, North Dakota Air National Guard (NDANG), is headquartered at Hector IAP in Fargo, N.D. on the north and west sides of the Fargo Municipal Airport. Its mission is to protect the air sovereignty of North America. The unit is equipped with the F-16 A/B Air Defense Fighter, and is tasked to mobilize, generate, deploy, and execute wartime missions under the direction of the North American Aerospace Defense Command. In peacetime, the Wing maintains continuous five-minute alert through Langley Air Force Base, Virginia, and provides disaster relief, civic assistance, and other state missions directed by the Governor of North Dakota. Hector IAP contains 45 facilities within its 243-acre area. The normal base population is 331 personnel; however, twice a month during drills the population surges to 1063.

J7.2 Wastewater Collection System Description

J7.2.1 Wastewater Collection System Fixed Equipment Inventory

The HECTOR IAP (ANG) wastewater collection system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines, manholes, lift stations, valves, controls, and meters. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

J7.2.1.1 Description

The wastewater collection system at the Hector IAP, NDANG, is composed of approximately 17,000 LF of pipe. Primary pipe (approximately 12,750 LF) is 8-inch PVC, which was installed in 1988. The oldest pipe is 8-inch clay tile, installed in 1963. About 2,125 LF of the pipe supports buildings scheduled for demolition. All pipe is buried at a minimum of eight feet and there are 38 manholes. These manholes are on 8-inch mains. Thirty are pre-cast concrete and 8 are cast in place concrete. There are no cathodic protection, wastewater treatment plant, spare parts or specialized equipment. There is a single base entry point near buildings 310 and 360 with a base exit point near building 420. Buildings 202, 203, 204, 205, 213, and 216 are scheduled for demolition in 2000. This will cause a realignment of the collection system, add an exit point south of the State Headquarters building off Old Airport Road, and allow for the abandonment of the lift station (and pumps) installed in 1962. The remaining lift station is facility number 667 located near building 331. It has two, in-ground, 15 hp pumps which were installed in 1988. The lift station has automatic controls and a visible alarm light. It is currently supported by a government-owned, auxiliary generator, which also supports the alert complex. When the wastewater collection system is privatized, the government will no longer

be responsible for providing emergency backup power for this lift station. This lift station is in excellent condition. There is no master meter; buildings have individual water meters and the monthly sanitary sewer charge is included in the water bill from the City of Fargo. Not included in this privatization effort are the city owned water meters and, once the aforementioned buildings are demolished, the 1962 vintage lift station will also be excluded.

J7.2.1.2 Inventory

Table 1 provides a general listing of the major wastewater collection system fixed assets for the HECTOR IAP (ANG) wastewater collection system included in the sale.

TABLE 1
Fixed Inventory
Wastewater Utility System HECTOR IAP (ANG)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PVC Pipe	8	13000	LF	1988
Vitrified Clay Pipe	8	4300	LF	1963
Standard Sanitary Sewer Manhole	8ft pre-cast	30	EA	1988
	8 ft Cast in Place	8	EA	1955
Wastewater Lift/Pump Station	4 in	1	EA	1962
Wastewater Lift Station Pump	5 hp	2	EA	1962
Wastewater Lift/Pump Station	4 in	1	EA	1984
Wastewater lift station pump	15 hp	2	EA	1984

Notes:
PVC = Polyvinyl Chloride
LF = Linear Feet
EA = Each

J7.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts
Wastewater Collection System HECTOR IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools

Wastewater Collection System HECTOR IAP (ANG)

Description	Quantity	Location	Maker
None			

J7.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Wastewater Collection System HECTOR IAP (ANG)

Qty	Item	Description	Remarks
1	Chart	Wastewater Distribution System	AUTOCAD

J7.3 Specific Service Requirements

The service requirements for the HECTOR IAP (ANG) wastewater collection system are as defined in the Section C, *Description/Specifications/Work Statement*.

J7.4 Current Service Arrangement

- Provider Name: City of Fargo

Average Usage: Not metered separately. Sewage charge is included in the water bill. The average monthly sewage charge is \$1500

J7.5 Secondary Metering

Each building has its own water meter. Billing for wastewater is based upon water consumption. These water meters are owned by the City of Fargo and are not included as part of this privatization contract.

J7.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.

3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J7.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3, Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I: None; however, a separate contractor is currently evaluating Infiltration and Inflow. Report will be available in the technical library.

J7.8 Service Area

IAW Paragraph C.4, Service Area, the service area is defined as all areas within the HECTOR IAP (ANG) boundaries.

J7.9 Off-Installation Sites

No off-installation sites are included in the sale of the HECTOR IAP (ANG) wastewater collection system.

J7.10 Specific Transition Requirements

IAW Paragraph C.13, Transition Plan, **Table 5** provides a listing of service connections and disconnections required upon transfer.

TABLE 5
Service Connections and Disconnections
Wastewater Collection System HECTOR IAP (ANG)

Location	Description
None	

J7.11 Government Recognized System Deficiencies

Table 6 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the HECTOR IAP (ANG) wastewater collection system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewal and Replacement Plan process and will be recovered through Schedule L-3. Renewal and Replacement projects will be recovered through Sub-CLIN AC.

TABLE 6
System Deficiencies
Wastewater Collection System HECTOR IAP (ANG)

Project Location	Project Description
	<p>Although the following projects are not considered <i>system deficiencies</i>, they are included in this table to advise prospective offerors of future construction plans that may affect utility demand.</p> <p>Project Title: Repair Fire suppression/Detection systems in Hangars This project does not increase or decrease the utilities requirements.</p> <p>Project Title: Repair/Construct Dining Hall Construct 4636 SF dining hall space, includes the necessary general, electrical, mechanical, utility, and site work.</p> <p>Project Title: Construct Line Shelters Construct 12750 SF metal, drive-through aircraft line shelters including support utilities, fire suppression system and site work.</p> <p>Project Title: Construct Igloo, MSA Construct munitions storage igloo. Electrical utility to this off site is not in the scope of the privatization contract.</p> <p>Project Title: Construct Readiness Addition, CE Construct 2000 SF addition to include appurtenant interior, electrical, and mechanical work.</p> <p>Project Title: Construct Communications Facility Construct 3554 SF communications facility with collocated Central Security Control to include necessary general, electrical, mechanical, and appurtenant construction.</p> <p>Project Title: Construct SRC/DCC Command Post Construct 149 SM command post.</p> <p>Project Title: Replace Weapons Release and Construct Mission Support Complex Replace 26000 SF weapons facility, demolish building 300 at 5302 SF and building 214 at 4800 SF.</p> <p>Project Title: Construct Covered Refueler Vehicle Parking Construct metal structure with roof, 7200 SF</p> <p>Project Title: Construct Storage Facility Building 216, Regional Training Site Construct building 216, 19600 SF Dismantle building 216, 8400 SF Relocate building 216, 8400 SF Upgrade building 216, 8400 SF</p>